

# **Utilities Yard Genset Installation Specification.**

## **Scope of Work:**

The work for this project consists of removing one existing genset and associated equipment and installing a new genset as listed in “City Provided Equipment” (below). This work will require mechanical, structural and electrical modifications to the facility. This document in conjunction with notes and requirements within the approved drawings serve as specification. This work must be performed while operation of the existing booster pump station is maintained.

## **City Provided Equipment to be Installed by Contractor.**

- Skid mounted Waukesha VGF H24GSID Generator, 375kW, 208Y/120vac
- Woodward 2301D Governor
- Jacket Water Heater
- Generator Space Heater
- 1600 Amp Circuit Breaker, With Ground Fault Protection
- Woodward EasyGen 3200 Control Panel
- Compliance Control Air Fuel Ratio Controller
- Miratech Catalytic Converter
- Maxim Silencer
- Flexible Connectors
- Battery Box & Charger
- Young Touchstone Radiator – Remote Horizontal Core.
- 200 kW Loadtek Load Bank

## **Contractor Responsibilities**

- Remove existing skid mounted 208/120 generator and place outside facility access door.
- Prepare mounting surface for genset per approved drawings and manufacturer specification.
- Provide all piping, conduit, electrical and all brackets/supports to provide a complete installation.
- Modify gas line as needed.

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- Reinstall all existing and/or new sensors, level indicators, fluid drains, plumbing, throttling devices, fabricate any needed brackets to facilitate installation of new genset
- Supply, fabricate and install any needed safety guards.
- Supply new water, oil or fuel flex couplings as needed.
- Paint as needed per City requirements.
- Contractor to provide start-up and full sound testing upon completion of the above cited work. Project will be “Turn-key” ready.